

**Declaration of Intent
Between
The Department of Energy of the United States of America
and
The Department of Natural Resources Canada
Concerning
Cooperation in Energy Science and Technology**

The Department of Energy of the United States of America (DOE) and the Department of Natural Resources Canada (NRCan), hereinafter the “Signatories”,

NOTING the *Agreement Among the Government of Canada, the Government of the United Mexican States and the Government of the United States of America for Cooperation in Energy Science and Technology* of July 23, 2007 (TESTA), which formalizes longstanding cooperation between and among the three countries in the areas of energy, science and technology on the basis of mutual benefit, equality and reciprocity;

NOTING that Article 2, paragraph 1 of the TESTA contemplates bilateral, as well as trilateral, cooperation, and that NRCan and DOE desire to pursue such cooperation within the framework of the TESTA and in keeping with the spirit of cooperation it represents; and

NOTING further that under the *U.S.-Canada Clean Energy Dialogue*, the Participants’ governments contemplate cooperation in the areas of carbon capture and storage and bioenergy,

Hereby state their intention as follows:

1. The Signatories intend to cooperate in the following areas:

Bioenergy

- (a) Biomass production and supply for the purpose of conversion to bioenergy;
- (b) Conversion of biomass and waste to energy, transport fuels and other products;
- (c) Research and development to provide required knowledge, analysis of sustainability considerations surrounding the life-cycle of bioenergy production and use, and the creation of baseline data, criteria and tools for this purpose;
- (d) The application of other technical tools for bioenergy purposes, such as geographical information systems and mapping;
- (e) Production of algal oils and other algal products and conversion into transport fuels;
- (f) Production upgrading of bio-oils from various biomass feedstocks (e.g., pyrolysis oil) and their conversion to transport fuels or energy.

and other areas of cooperation as mutually determined in writing.

Carbon Capture and Storage (CCS)

- (a) Assessment of the CO₂ storage potential in North America;
- (b) Testing underground injection of CO₂ and monitoring its behavior;
- (c) Sharing and disseminating best practices and lessons learned from large-scale CCS demonstration projects;
- (d) Collaboration on compatible rules, standards, monitoring, verification, and accounting principles with a focus on information sharing, in order to facilitate cross-border CCS projects, and minimize barriers;
- (e) An annual bilateral CCS conference to further these activities and facilitate continued dialogue;
- (f) Collaboration between research institutes and universities in order to promote development of next generation CCS technologies;
- (g) Sharing information, and strategies for engaging and communicating with the public, on CCS;

and other areas of cooperation as mutually determined in writing.

2. The Signatories intend to utilize the following forms of collaboration:

- (a) Exchange of scientific and technical information on subjects of mutual interest;
- (b) Exchange of engineers, scientists and other personnel;
- (c) Conduct of collaborative research and development;

- (d) Co-hosting of bilateral and multilateral meetings, workshops and conferences for the purpose of exchanging technical information and data;
 - (e) Other forms of cooperation as mutually determined in writing.
3. To facilitate their cooperation, the Signatories intend to establish a Joint Coordinating Committee (JCC) consisting of an equal number of representatives from both the United States and Canada. The JCC is intended to coordinate cooperative activities enumerated above. Those participating in the meetings of the JCC would do so at their own expense.
 4. The JCC should meet annually, or at such intervals as its members may determine and at mutually selected sites, including by teleconference. The head of the delegation of the hosting country should act as chairperson during the meetings of the JCC.
 5. The JCC should coordinate its activities with the Lead Coordinators designated under Article 5 of the TESTA, and provide updates of activities to the Lead Coordinator as requested.
 6. As per Article 6 of the TESTA, cooperative activity may be detailed in project arrangements. These instruments should provide project-specific details on the specified forms of cooperation and should include, as appropriate, such matters as technical scope, the protection and allocation of intellectual property, management (performance measurement, systematic approach, targeting), total costs, cost sharing and schedule.
 7. The Signatories recognize the continuing benefits to both Canada and the United States of cooperation in the areas of bioenergy and carbon capture and storage, and look forward to successful collaboration in the future.

Signed at Washington, in duplicate, this 16th day of April, 2010, in the English and French languages.

FOR THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA:



FOR THE DEPARTMENT OF NATURAL
RESOURCES CANADA:

